

REMARKS

In the Office Action mailed April 17, 2006, the Examiner noted that claims 1-12 were pending, and rejected all claims. Claims 1 and 5-12 have been amended, and, thus, in view of the forgoing claims 1-12 remain pending for reconsideration which is requested. No new matter has been added. The Examiner's rejections are traversed below.

In the Office Action the Examiner rejected claim 8 under 35 U.S.C. section 112 paragraph 2 as indefinite. Claim 8 has been amended in consideration of the Examiner's comments and it is submitted it satisfies the requirements of the statute. If additional concerns with the claims arise, the Examiner is invited to telephone to resolve the same. Suggestions by the Examiner are also welcome. Withdrawal of the rejection is requested.

Pages 9-69 of the Office Action reject claims 1-12 under 35 U.S.C. § 103 over various combinations of Nishimo, Ohtsu, Cheng, Lay, Miller and Nagase.

The claims emphasized that a check is made to determine whether a distance between a transmitting antenna (a source) and a EUT (an object) is greater than or equal to a prescribed threshold distance. If the threshold is met, the calculation of source current values using a first set of simultaneous equations and the storing of these current values as constants is performed. In addition, this allows the current values for the object (and its receiving characteristics) using a second set of simultaneous equations to be separated and calculated separately (independently). This allows the claimed inventions to calculate the object characteristics more quickly when the distance threshold is met because the interaction between the sets of equations is not considered. The calculations for the source do not interact with the calculations of the receiving object when the distance threshold is met. That is, the storage of the calculated source current values as constants when the distance threshold is met is important to the speed of calculation benefits of inventions.

The prior art does not teach or suggest such.

It is submitted that the claims distinguish over the prior art and withdrawal of the rejection is requested.

It is submitted that the claims satisfy the requirements of 35 U.S.C. 112. It is also submitted that the claims are not taught, disclosed or suggested by the prior art. The claims are therefore in a condition suitable for allowance. An early Notice of Allowance is requested.

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If any further fees, other than and except for the issue fee, are necessary with respect to this paper, the U.S.P.T.O. is requested to obtain the same from deposit account number 19-3935.

Respectfully submitted,

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